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Murphy et al.(10) **Pub. No.: US 2021/0283329 A1**(43) **Pub. Date: Sep. 16, 2021**(54) **METHOD AND SYSTEM FOR
SHAPE-MEMORY ALLOY WIRE CONTROL**(71) Applicant: **DEKA Products Limited Partnership,**
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(57)

ABSTRACT

A method for controlling a device using a shape-memory alloy wire is disclosed. The method includes determining an ontime for the shape-memory alloy wire based on a target volume to be pumped by a pump plunger, determining the temperature of the shape-memory alloy wire and adjusting the ontime based on the temperature of the shape-memory alloy wire.

